Attorney Reference: 121939-04298105 Client Reference: PE-Sintering/US

DECLARATION AND POWER OF ATTORNEY RULE 63 (37 C.F.R. 1.63) FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the **INVENTION ENTITLED**:

SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE									
the specification of which: (check one applicable box)									
A. ☐ is a B. ☐ was					olle Appl	iaction No	1		
			ational Applicat		as U.S. Appl PCT/	1B03/00636	on on	24 January 2	2003
and (if applicable to U.S			• •			1200/0000			
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application:									
PRIOR FOREIGN APPL Application/Patent	ICAI	Country	Day/Month/Year	filed	Date	first laid	Patent/6	Grant date	No priority
<u>Number</u>				mod		oublished	<u>r dterro</u>	urant date	claimed
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		n eleman internal							
If more prior foreign appli	<u>cation</u> :	s, X box <i>at bottom</i>	and continue on att	ached pa	<u>ige.</u>				
Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application: PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Application Number Day/Month/Year filed (pending/abandoned/patented) No priority claimed									
					120110		, <u>partorit</u>		<u>claimed</u>
60/352,208		29 January 200)2	aband	oned				
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon; And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to and rely on instructions from and communicate directly with the person/assignee/attomey/firm/ organization who/which sends/sent this ease to them and by whom/which hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary.									
USE ONLY FOR *00043569* (Customer No. for communications) WASHINGTON, D.C.									
(1) INVENTOR'S SIGNA	TURE	<u>:</u> :	ul mi	$\mathbb{Z}//$		Date:	Am	0/ 30	200/
Name, 19 Paul				V	Smith		1)	
111		First	Mid	dle Initial			Family	Name	
Residence Zurich			<u> </u>	tzerland		\sim	AAA	The Nether	lands
		City	JOWI				STA V	<u> </u>	
Mailing Address Huttensteig 10, CH-8006 Zurich, Switzerland									
(2) INVENTOR'S SIGNATURE: Date:									
Name Jeroer					Visjag				
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Mailing Address 3	819 B	remen Pass, Cle	ves, OH 45002	**************************************			<u> </u>		
FOR ADDITIONAL INVENTORS, see attached page.									

See <u>additional foreign priorities</u> on attached page (incorporated herein by reference). DCDB01 20643945.1 21-Jul-04 15:40

	DECLARATION AND POWER OF ATTORNEY (continued) ADDITIONAL INVENTORS:						
(2) INVENTOR	S SIGNATURE:	-11-6		Date:	Tay 1st	9-1-1	
Name ;	Theo			Tervoort	lan,	, 2000	
34	11100	First	Middle Initial	10.100.1	Family Name	e.	
Residence	Zurich	1 1100	Switzerland	MAR		he Netherlands	
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Mailing Address	Culmannst	trasse 27, CH-8006 ,Zuric	 ch. Switzerland				
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Name					<u>,</u>		
		First	Middle Initial		Family Name	e	
Residence							
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Mailing Address	;						
(5) INVENTOR'S	S SIGNATURE:			Date:			
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(6) INVENTOR'S	S SIGNATURE:	· · · · · · · · · · · · · · · · · · ·		Date:			
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(8) INVENTOR'S	S SIGNATURE:			Date:			
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		First	Middle Initial		Family Name)	
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Mailing Address (9) INVENTOR'S				Date:			
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Name		First	Middle Initial		Family Name		
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Nesiderioc		City		State/Foreign Country		Country of Citizenship	
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	'S SIGNATURE:			Date:			
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Mailing Address							

Attorney Reference: 121939-04298105 Client Reference: PE-Sintering/US

DECLARATION AND POWER OF ATTORNEY RULE 63 (37 C.F.R. 1.63) FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the INVENTION ENTITLED:

SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE the specification of which: (check one applicable box) is attached hereto. as U.S. Application No. was filed on was filed as PCT International Application No. PCT/ IB03/00636 24 January 2003 and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. Except as noted below, I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International Application which designated at least one other country than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International Application, filed by me or my assignee disclosing the subject matter claimed in this application and having a filing date (1) before that of the application on which priority is claimed, or (2) if no priority claimed, before the filing date of this application: PRIOR FOREIGN APPLICATION(S) Country Application/Patent Day/Month/Year filed Date first laid Patent/Grant date No priority claimed open/published Number If more prior foreign applications, X box at bottom and continue on attached page. Except as noted below, I hereby claim domestic priority benefit under 35 U.S.C. 119(e) or 120 and/or 365(c) of the indicated United States applications listed below and PCT international applications listed above or below and, if this is a continuation-in-part (CIP) application, insofar as the subject matter disclosed and claimed in this application is in addition to that disclosed in such prior applications, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of each such prior application and the national or PCT international filing date of this application: PRIOR U.S. PROVISIONAL, NONPROVISIONAL AND/OR PCT APPLICATION(S) Day/Month/Year filed **Application Number** Status No priority (pending/abandoned/patented) claimed 60/352,208 29 January 2002 abandoned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon; And I hereby appoint Mayer Brown Rowe & Maw LLP, Intellectual Property Group (to whom all communications are to be directed), and persons of that firm who are associated with USPTO Customer No. 43569, as set forth below, individually and collectively, as my counsel to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent, and I hereby authorize them to delete from that Customer Number the names of persons no longer with their firm, to add new persons of their firm to that Customer Number, and to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct the above firm and/or an attorney of that firm in writing to the contrary. **USE ONLY FOR** *000043569* **MAYER BROWN ROWE & MAW LLP** (Customer No. for communications) WASHINGTON, D.C. (1) INVENTOR'S SIGNATURE: Date: Paul Smith Name **First** Middle Initial **Family Name** Zurich Residence Switzerland The Netherlands City State/Foreign Country **Country of Citizenship** Huttensteig 19, CH/8006 Zurich, Switzerland Mailing Address WARRY (2) INVENTOR'S SIGNATURE: Visjager Name Jeroen Middle Initial First **Family Name** Residence Cleves Ohio The Netherlands City State/Foreign Country Country of Citizenship 3819 Bremen Pass, Cleves, OH 45002 Mailing Address

DCDB01 20643945.1 21-Jul-04 15:40

FOR ADDITIONAL INVENTORS, see attached page.

See additional foreign priorities on attached page (incorporated herein by reference).

DECLARATION AND POWER OF ATTORNEY (continued) ADDITIONAL INVENTORS:

(3) INVENTOR	'S SIGNATURE:	· · · · · · · · · · · · · · · · · · ·	Date:	
Name	Theo	Тег	voort	
-	First	Middle Initial	Family	Name
Residence	Zurich	Switzerland		The Netherlands
	City	State	/Foreign Country	Country of Citizenship
Mailing Address	S Culmannstrasse 27, CH-8006	3 ,Zurich, Switzerland		and the second
(4) INVENTOR	'S SIGNATURE:		Date:	
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	First	Middle Initial	Family	
Residence				· And
	City	State	/Foreign Country	Country of Citizenship
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(5) INVENTOR	'S SIGNATURE:		Date:	
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(6) INVENTOR	'S SIGNATURE:		Date:	
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(10) INVENTOR	R'S SIGNATURE:		Date:	
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RECORDATION FORM COVER SHEET PATENT APPLICATIONS & PATENTS ONLY						
TO THE COMMISSIONER OF THE U.S. Sir:	TO THE COMMISSIONER OF THE U.S. PATENT & TRADEMARK OFFICE: Sir:					
Please record the attached original d	locuments or copy ther	reof as follows:				
. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]: a. Paul Smith b. Jeroen Visjager d. f.						
g. ADDITIONAL NAME(S) OF CONVEYING	3 PARTY(IES) ATTAC	h. HED? □YES ⊠NO				
2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST: NAME: Eidgenössische Technische Hochschule Zurich ADDRESS: Rämistrasse 101, Zurich, Switzerland ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? □YES ☒NO						
3. NATURE OF CONVEYANCE/DOCUM	MENT:					
Assignment Conveyance document attached is a: Change of Name Part interest Copy Other: Original Certified document Execution Date(s) on the Conveyance/Document: April 20, 2006, April 6, 2006 and May 1,2006						
Execution Date(s) on the Declaration (if fi	iled herewith): April	30 2006 April 6, 200		กกร		
4. APPLICATION AND/OR PATENT NU			· · · · · · · · · · · · · · · · · · ·	ached? TYES NO		
a. Application Number(s) Matter No.		b. Patent Number(s)		First Inventor		
10/501,936 04298105		Di l'atorit itarino.	matter its.	I Hot mitorico.		
5. NAME & ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE MAILED: 6. NUMBER OF PROPERTIES INVOLVED: Applns 1 + Patents 0 = Total: 1 7. AMOUNT OF FEE DUE:						
Customer No. 43569 Mayer, Brown, Rowe & Maw LLP	Customer No. 43569 Above Total 1 x \$40 = \$ 40 (Fee Code 8021)					
Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006-1101	8. PLEASE CHARGE TO: DEPOSIT ACCOUNT NO. 503-121 Under Order No. 121939-04298105 Client/Matter No.					
9. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.						
10. TOTAL NUMBER OF PAGES (included)		chments and documents):	3			
Signature C:802 : C:8						
Signature Name of Attorney: Richard A. Ste Registration No. 26,588	inberg	Date: May 19, 20 Telephone: (202) 263-3		(202) 263-3300		

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:

Mayer Brown Rowe & Maw LLP Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006

INSERT

TITLE OF

INVENTION

NAME(S) OF

INVENTOR(S)

Atty Reference: <u>121939-04298105</u>

Client Reference: <u>PE-Sintering/US</u>

x box if continued on page 2

(2) Jeroen Visjager

(4)

ASSIGNMENT OF NONPROVISIONAL APPLICATION

SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE

WHEREAS, the undersigned hereby:

(1) Paul Smith

(3) Theo Tervoort

(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:

for which an application for Letters Patents of the United States of America:						
(Note: Complete A or B)	(A) was executed on even date herew (B) was filed on July 21, 2004	ith and will be filed in the as Application No.	e U.S. Patent & Trademark Office; or 10/501,936			
AND WHEREAS,						
INSERT NAME(S) AND ADDRESS(ES) OF ASSIGNEE(S)	Eidgenössische Technische Hochschule Zu Rämistrasse 101 Zurich Switzerland	rich				
	NEE"), duly organized and existing under the	laws of Switzerland, desire	es to acquire an interest therein of the			
above-identified invention; NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; AND ASSIGNOR hereby agrees, without further remuneration, to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential for ASSIGNEE's full protection and title in and to the invention hereby transferred; and						
Additionally, the undersigned further authorize(s) Mayer Brown Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C. 20006, to insert hereon any further identification necessary or desirable for recordation of this document.						
1) / Paul Sr	we that	DATE SIGNED	WITNESSES Emitie Smith			
2) Name: Jeroen	Visjager		Emilie Smith			
3) Name: Theo Te	ervoort	May, 1,2006	Emilie Smith			
4) Name:	· · · · · · · · · · · · · · · · · · ·					
5) Name:	•					

Please return signed/recorded to:

Mayer Brown Rowe & Maw, LLP Intellectual Property Group 1909 K Street, N.W. Washington, D.C. 20006

Atty Reference: <u>121939-04298105</u>

Client Reference: <u>PE-Sintering/US</u>

ASSIGNMENT OF NONPROVISIONAL APPLICATION

WHEREA	S, the undersigned hereby:							
INSERT NAME(S) OF INVENTOR(S)	(1) Paul Smith	(2) Jeroen V	Visjager					
	(3) Theo Tervoort	(4)						
	(5)		continued on page 2					
(collectively hereinafter "ASSIGNOR") has/have made an invention entitled:								
SINTERING ULTRAHIGH MOLECULAR WEIGHT POLYETHYLENE								
for which an application for Letters Patents of the United States of America:								
(Note: Complete A or B)	(A) was executed on even date herewith and will be filed in the U.S. Patent & Trademark Office; or (B) was filed on July 21, 2004 as Application No. 10/501,936							
AND WHEREAS,	AND WHEREAS,							
INSERT NAME(S) AND	Eidgenössische Technische Hochschule Zuric Rämistrasse 101	<u>:h</u>						
ADDRESS(ES) OF	Zurich							
ASSIGNEE(S)	Switzerland							
•	SNEE"), duly organized and existing under the la	ws of Switzerland, desires	s to acquire an interest therein of the					
above-identified inv	•		at and authorized which are bounky					
-	EREFORE, in consideration of good and valuable said ASSIGNOR, does hereby sell, assign and t	·	· · · · · · · · · · · · · · · · · · ·					
•	e full and exclusive right, title and interest to the s							
	presaid application, and to the said application ar							
	gether with the right of priority under the Internati							
	on Relating to Patents, Designs and Industrial M							
	nerica adheres, and ASSIGNOR hereby authoriz							
Letters Patent to A	SSIGNEE, for its interest as ASSIGNEE, its succ	cessors, assigns and lega	il representatives;					
	IGNOR hereby agrees, without further remuneral sand legal representatives, deemed essential for							
hereby transferred;	• •	A AOOIOITEE S Iuli proteo						
Additionally, the undersigned further authorize(s) Mayer Brown Rowe & Maw LLP, 1909 K Street, N.W., Washington, D.C.								
20006, to insert hereon any further identification necessary or desirable for recordation of this document.								
INVEN	ITORS	DATE SIGNED	WITNESSES					
1)								
Name: Paul S	mith *							
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2)	Wireyen 06/April /2006 Clebrah Wale							
Name: Jerben Visjäger //								
Name: Theo	Fervoort							
name. Theo	EIVOOR							
4)								
Name:								
5)								
Name:								